

**First
Announcement**

Turbulence and Shear Flow Phenomena - 2005

TSFP-4 *Fourth International Symposium*

The series of biennial TSFP Symposia is internationally recognized as a major venue for the reporting and dissemination of ongoing research on turbulence and shear flow phenomena. Prior highly successful symposia have been held in Santa Barbara, California (1999), Stockholm, Sweden (2001) and Sendai, Japan (2003). The Organizing Committee is pleased to announce that the Fourth Symposium of this series, TSFP-4, will be held at the:

*Williamsburg Marriott Hotel
Williamsburg, Virginia, USA
June 27-29, 2005*



Photographer: Douglas Peebles



Photographer: Nik Wheeler

Local arrangements for TSFP-4 will be made by the following Executive Committee:

Dr. T. B. Gatski
NASA LaRC
(Chairman, co-opted to
Organizing Committee)
Prof. H. K. Chelliah
Univ. of Virginia
Prof. A. Demuren
Old Dominion Univ.
Prof. W. J. Devenport
Virginia Tech
Prof. F. Ferguson
North Carolina A&T State Univ.

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Georgia Tech
Dr. B. M. Grossman
National Institute of Aerospace
Prof. H. Haj-Hariri
Univ. of Virginia
Prof. H. Hassan
North Carolina State Univ.

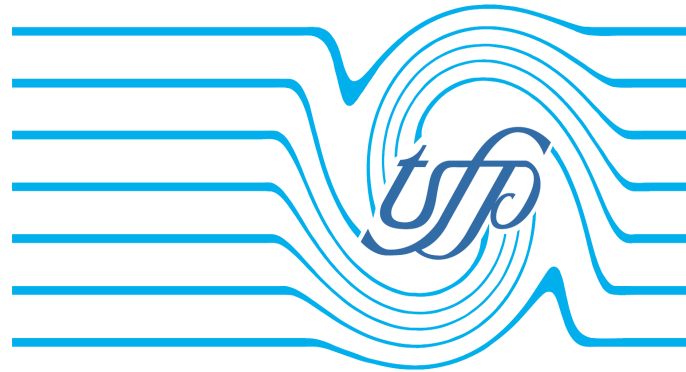
Prof. J. A. C. Humphrey
Univ. of Virginia
(Ex-officio member)
Prof. J. Katz
Johns Hopkins Univ.
Prof. K. Kiger
Univ. of Maryland
Dr. A. Kumar
NASA LaRC
Prof. C. Meneveau
Johns Hopkins Univ.

Prof. U. Piomelli
Univ. of Maryland
Dr. R. Rubinstein
NASA LaRC
Dr. C. L. Rumsey
NASA LaRC
Prof. R. L. Simpson
Virginia Tech
Prof. D. R. Webster
Georgia Tech

Organizing Committee:

J. A. C. Humphrey
University of Virginia (Chairman)
J. K. Eaton
Stanford University
R. Friedrich
Technische Universität München
N. Kasagi
University of Tokyo
M. A. Leschziner
Imperial College London
T. B. Gatski
NASA Langley Research Center
(Co-opted Member)

**The First Call for Papers is likely to be issued
in January, 2004 for a submission deadline for
abstracts in September, 2004.**



TSFP has become the premier series of conferences for exposing new discoveries and developments in turbulence and shear-flow phenomena, with emphasis on fundamental issues and mechanisms. Alongside traditional focal points, such as DNS, LES, turbulence closures and experiments, the Organizing Committee of TSFP-4 wishes to give greater emphasis to new topics, such as:

- Measurement, modeling and simulation in complex flows
- Transition and chaos of shear-flow phenomena
- Environmental and geophysical turbulence
- MEMS for turbulence measurement and control
- Turbulence in multiphase systems
- Noise generation, control and flow-structure interactions
- Control of turbulence and transition
- Biological and biomedical flows



Photographer: Colonial Williamsburg Foundation



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The host city **Williamsburg, Virginia** - "the Colonial Capitol of Virginia", was settled by the English over three hundred years ago. The city is named after the then reigning King William of Orange. During the period 1699 to 1780 Williamsburg was the political, social and cultural capital of Britain's largest, wealthiest and most populous colony. Williamsburg is located about 150 miles southeast of Washington, D.C. and has a population of 10,000. The Williamsburg area, which includes Jamestown, the site of the first permanent English settlement and Yorktown, the site of the last major conflict of the Revolutionary War, is a well-known holiday destination. The weather in June is warm and generally dry with some late afternoon showers. The average daytime high temperature is 86°F (30°C) and the average evening low temperature is 64°F (17.8°C), and the average monthly rainfall is 3.58 in. (90.9mm) in June. The Williamsburg Area has over 80 hotels, motels and bed and breakfasts covering a wide price range. Within three miles of the conference hotel are Colonial Williamsburg, and the amusement parks Busch Gardens –The Old Country and Water Country, USA.

The Organizing and Executive Committees look forward to the widest possible international participation of the turbulence community at TSFP-4.

Symposium Website
<http://tsfp4.larc.nasa.gov>